

U. S. ENVIRONMENTAL PROTECTION AGENCY

POLLUTION REPORT

DATE: December 11, 1987

Region II  
Response and Prevention Branch  
Edison, New Jersey 08837

(201) 548-8730 - Commercial & FTS  
24 Hour Emergency

TO: C. Daggett, EPA  
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TAT

POLREP NO.: Twenty-seven (27)  
INCIDENT/SITE NO.: Arkansas Chemical Company/T9  
POLLUTANT: Textile chemicals and intermediates  
CLASSIFICATION: Major  
SOURCE: Abandoned chemical facility  
LOCATION: Newark, New Jersey  
AMOUNT: 20,000 containers of various chemicals,  
1500 drums (600 empty), 87 indoor and  
outdoor tanks of which less than ten hold  
oil, acid, and unknowns  
WATER BODY: None

1. SITUATION

- A. The Arkansas Chemical Company produced textile and other specialty chemicals at its Newark facility until it was abandoned in 1983. Abandoned on this site are a two-story office/laboratory building (Bldgs. 25/30), a machine shop (Bldg. 26), a small chemical processing building (Bldg. 27), a large four-story chemical process building (Bldg. 28), a boiler room/tank house (Bldgs. 16 & 16B), a storage building (Bldg. 24), and two sheds (S1 & S2). About 1500 drums and 20,000 small containers of chemicals exist in these buildings. In addition, there are approximately 17 aboveground storage tanks and 70 process tanks/reaction vessels.

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## 2. ACTION TAKEN:

- A. To date, the following materials have been transferred to bulking chambers with the corresponding empty drums being staged in building 24 awaiting decontamination and shredding:
- 1) base/neutral liquids (approx. 27% of waste streams)
  - 2) flammable and organic liquids (approx. 15% of waste streams)
  - 3) oxidizer liquids (with base/neutral liquids) (<1%)
- The remaining materials (base/neutral solids, acid solids and liquids, gas cylinders, etc.) will be handled as disposal is arranged.
- B. ERCS activities for 12/2/87 to 12/11/87 include:
- 1) The wrapping of asbestos covered piping on the first floor of building 28 and the outdoor tank adjacent to building 16 was completed as of 12/8/87.  
All asbestos on site has now been stabilized.
  - 2) Demolition of catwalks, cleaning of floors and staging of hazardous debris in building 28 has been completed.
  - 3) ERCS performed the following tasks in preparation for an extended demobilization of personnel beginning on Friday December 11, 1987:
    - 1) All broken or accesible windows were covered with plywood and/or visqueen.
    - 2) All hazardous waste roll-off dumpsters were secured.
    - 3) All full drums in building #28 were covered with visqueen to prevent further deterioration by rainwater.
    - 4) All doors on site were secured to prevent access to buildings.
    - 5) An aeration pump was placed in the pool of base/neutral liquids to prevent freezing.
    - 6) All bulking chambers were covered with plywood and visqueen to prevent collection of rainwater.
    - 7) All site boundaries were delineated by fencing and warning signs.
- C. EPA/TAT and ERCS continue to enter 1900-55 data into the Removal Cost Management System (RCMS). RCMS is now on line and is being used to track daily costs incurred throughout the removal action.
- D. On 12/8/87, two lecture cylinders of vinyl chloride were returned to the generator, Ethyl Corp., for proper disposal. Disposal will be at no cost to EPA.
- E. On 12/10/87, ERCS pumped approximately 3,679 gallons of 68% sulfuric acid from tank #814 to a tank trailer for transport to the Essex Chemical Company for use in their production facility.
- F. All ERCS personnel were demobilized by 12/11/87.

### 3. FUTURE PLANS AND RECOMMENDATIONS:

- A. ERCS will remobilize on site once all disposal analyses have been completed and the disposal of waste streams have been coordinated.
- B. EPA will continue to provide 24 hour site security.
- C. EPA/TAT will make periodic on-site inspections during the demobilization period.
- D. An approved subcontractor will perform on-site decontamination and shredding of the empty drums following the completion of the bulking operation.
- E. EPA and TAT will evaluate the bids submitted by subcontractors for decontaminating the floors of building 28 using a high pressure water system.
- F. EPA will solicit and evaluate bids from subcontractors for the removal of all asbestos on site.

### 4. FINANCIAL ACCOUNTING:

A.	Total Project Ceiling Authorized	\$ 1,966,009
B.	Mitigation Contract Ceiling	\$ 1,598,009
C.	Expenditures for Mitigation Contracts	
1. a.	Amount obligated to ERCS contractor for Delivery Orders #6893-02-073 and #7445-02-008 (DCNs KCS - 361, 629, 633, 710, 726, 730, KE - 0001, 0027) as of December 11, 1987.	\$ 1,025,380
1. b.	Amount de-obligated due to contract rollover	\$ 1,991
1. c.	Total amount obligated to date	\$ 1,023,389
1. d.	Estimated mitigation expenditures as of December 11, 1987	\$ 953,971
1. e.	Balance Remaining	\$ 69,418
D.	Unobligated Balance Remaining	\$ 572,629
E.	Estimate of Total Expenditures to Date for All Mitigation Contracts	\$ 953,971
F.	Other Extramural Costs as of December 11, 1987	
1. a.	TAT Salary/Travel (estimated)	\$ 77,109
b.	Analytical Costs	\$ 6,628

G. Intramural Costs as of December 11, 1987  
1. a. EPA (Estimated Direct and Indirect) \$ 44,114

H. Total Expenditures \$ 1,081,822  
Percent of Total Project Ceiling 55.0%  
Percent of \$2 Million 54.1%

FINAL FURTHER  
POLREP POLREPS  
POLREP \_\_\_\_\_ FORTHCOMING ✓ SUBMITTED BY: Mark P. Pane  
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Response and  
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DATE RELEASED: 12-24-87